Oklahoma **High School Process Standards**

***FlyBy Math*™ Alignment** **Priority Academic Student Skills** **Process Standards**	
Process Standard 1: Problem Solving	
1. Apply a wide variety of problem-solving strategies (identify a pattern, use equivalent representations) to solve problems from within and outside mathematics.	***FlyBy Math*™ Activities** --Apply mathematics to solving distance, rate, and time problems for aircraft conflict scenarios. --Use tables, graphs, and equations to solve aircraft conflict problems.
Process Standard 4: Connections	
1. Link mathematical ideas to the real world (e.g., statistics helps qualify the confidence we can have when drawing conclusions based on a sample).	***FlyBy Math*™ Activities** --Apply mathematics to solving distance, rate, and time problems for aircraft conflict scenarios.
2. Apply mathematical problem-solving skills to other disciplines.	--Apply mathematics to solving distance, rate, and time problems for aircraft conflict scenarios.
3. Use mathematics to solve problems encountered in daily life.	--Apply mathematics to solving distance, rate, and time problems for aircraft conflict scenarios.
Process Standard 5: Representation	
1. Use algebraic, graphic, and numeric representations to model and interpret mathematical and real world situations.	***FlyBy Math*™ Activities** --Use tables, bar graphs, line graphs, a Cartesian coordinate system, and equations to model aircraft conflicts and predict outcomes.
2. Use a variety of mathematical representations as tools for organizing, recording, and communicating mathematical ideas (e.g., mathematical models, tables, graphs, spreadsheets).	--Use tables, bar graphs, line graphs, a Cartesian coordinate system, and equations to model aircraft conflicts and predict outcomes. --Explain and justify solutions regarding the motion of two airplanes using the results of plotting points on a schematic of a jet route, on a vertical line graph, and on a Cartesian coordinate system.